DIGISOL ®

DIGISOL L3 10G(SFP+) Intelligent Switches

DG-GS4634HPSE2-B2

Key Features:-

- 24x1GE + 4x1GE(SFP) + 6x10G(SFP+)
- 1 modular AC+1 optional AC power supply
- 1 console, 1 USB, 1 RJ45 management port
- Forwarding performance: 131Mpps
- Switching capacity: 176 Gbps
- Auto MDI/MDIX MDIXS

5 YEARS WARRANTY

Introduction:-

DIGISOL DG-GS4634HPSE2-B2 are L3 stackable routing switch series with 10GE fiber uplink ports. DG-GS4634HPSE2-B2 has advanced hardware and software architecture design, with built in option for dual redundant power supplies. DG-GS4634HPSE2-B2 provides high availability, scalability, security, energy efficiency, and ease of operation with innovative features such as VSF (Virtual Switch Framework) and 3 fixed auto-adjusted fan units. It is ideal for high-density aggregation in LAN networks. For SMB, could be used as core switch.

VSF (Virtual Switch Framework)

Virtual Switch Framework can virtualize multiple Digisol series switches into one logical device, achieving the sharing of information and data tables between different switches. The performance and ports density of the virtualized device is greatly enhanced under VSF. VSF also simplifies management work for the network administrator and provides more reliability.

Rich L3 Features

DG-GS4634HPSE2-B2 delivers high-performance, hard-ware-based IP routing. RIP, OSPF, and BGP provide dynamic routing by exchanging routing information with other Layer3 switches& routers. With DG-GS4634HPSE2-B2, customers could easily achieve a Policy-based Route (PBR), which is important when they need a multi exit application.

Strong Multicast

DG-GS4634HPSE2-B2 supports abundant multicast features. In Layer 2, such as IGMPv1/v2/v3 snooping and fast leave. L3 multicast protocols such as IGMPv1/v2/v3, PIM-DM, PIM-SM, PIM-SSM, and even MSDP. With Multicast VLAN Register (MVR), multicast receiver / sender control and illegal multicast source detect functions; DG-GS4634HPSE2-B2 provides a great application experience for the customer.

Easy High-Reliability network

G.8032 provides sub-50ms protection and recovery switching for Ethernet traffic in ring topology. DG-GS4600SE2 series support G.8032 v2 and can be deployed in a variety of complex network topologies including single ring, tangent ring, intersecting rings and double rings.

Comprehensive QoS

With 8 queues per port, DG-GS4634HPSE2-B2 enable differentiated management of up to 8 traffic types. The traffic is prioritized according to IEEE802.1p, DSCP, IP precedence, and TCP/UDP port number, giving optimal performance to real-time applications such as voice and video. DG-GS4634HPSE2-B2 also supports Bi-directional rate-limiting, per port or traffic class preserves network bandwidth, and allows full control of network resources.

Enhanced Security

IEEE 802.1X port-based access control and MAC-based access control ensure all users are authorized before being granted access to the network. Ingress/Egress Access Control Lists (ACLs) can be used to restrict access to sensitive network resources by denying packets based on L2/L3/L4 headers Information for some services that are based on time, the product can support time-based ACL to match the requirement.

Secure Shell (SSH) encrypts network management information via Telnet providing secure network management. RADIUS Authentication enables centralized control of the switch and restricts unauthorized users from altering the configuration of the switch.

SWITCHING SOLUTIONS

Technical Specifications:-

Item	DG-GS4634HPSE2-B2
Physical port	24 x 1GE(PoE) + 4 x 1GE(SFP) + 6 x 10GE(SFP+)
Management port	1 x RJ45 Ethernet Management port
	1x Console port
	1x USB2.0 interface
Performance	
Switching Capacity	176Gbps
Forward-ing Rate	130.94 Mbps
Jumbo Frame	16K
MAC Address	96K
ARP Table	16K
Routing Table	1K
ACL Table	1K
L3 Interface	Max 1K
Physical	
Dimension(WxHxD)	440mmx 44mm x 360mm
Relative Humidity	5%~90% non-condensing, storage 95%
Temperature	Working 0°C~50°C, storage -40°C~70°C
PoE	IEEE 802.3af POE (15.4W)
	IEEE 802.3at POE+ (30W)
	PoE output 375w with 1 PSU or 750w with 2 PSU
Power Supply	1 modular AC + 1 optional AC (100~240VAC, 50~60Hz)
Power Consumption	<1000W
Main Features	Port loopback detection
	LLDP and LLDP-MED, UDLD
	802.3ad LACP, max 128 group trunks with max 8 ports for each trunk, LACP load balance
	N:1 Port Mirroring
	RSPAN, ERSPAN
	IEEEE802.1d(STP), IEEEE802.1w(RSTP), IEEEE802.1s(MSTP)
	Root Guard, BPDU Guard
	802.1Q, 4K VLAN
	MAC VLAN, Voice VLAN, PVLAN, Protocol VLAN, Multicast VLAN
	QinQ, Selective QinQ, Flexible QinQ
	GVRP
	Broadcast / Multicast / Unicast Storm Control
	IGMP v1/v2/v3 Snooping and L2 Query, IGMP Proxy
	ND Snooping
	MLDv1/v2 Snooping
	Port Security
	Flow Control: HOL, IEEE802.3x
	Bandwidth Control

SWITCHING SOLUTIONS

Technical Specifications:-

Item	DG-GS4634HPSE2-B2
L3 Features	Static Routing, RIPv1/v2, OSPFv2, BGP4
	OSPFv3, BGP4+
	OSPF multiple processes
	Policy-based routing (PBR) for IPv4 and IPv6
	VRRP
	URPF
	ECMP
	BFD
	DVMRP, PIM-DM, PIM-SM, PIM-SSM, Anycast RP, MSDP
	Static Multicast Route
	Multicast Receive Control
	Illegal Multicast Source Detect
	ARP Guard, Local ARP proxy, Proxy ARP, ARP Binding, Gratuitous ARP, ARP Limit
	Anti ARP/NDP Cheat, Anti ARP/NDP Scan
	DNS Client, DNS Relay
IPv6	ICMPv6, ND
	IPv6 Policy-based Routing (PBR)
	IPv6 VRRPv3, IPv6 URPF, IPv6 RA
	RIPng, OSPFv3, BGP4+
	MLD Snooping
	IPv6 Multicast VLAN
	MLDv1/v2, PIM-SM/DM for IPv6, IPv6 Anycast RP, IPv6 ACL, IPv6 QoS
QoS	8 Queues
	SP, WRR, DWRR, SDWRR
	Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, Port number
	Traffic Policing
	PRI Mark/Remark
ACL	IP ACL, MAC ACL, IP-MAC ACL
	Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol,
	TCP/UDP port, DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS
	REDIRECT and Accounting based ACL
	Rules can be configured to port, VLAN
	Time Ranged ACL
Security	802.1x AAA
	Port, MAC-based authentication
	Accounting based on time length and traffic
	Guest VLAN and auto VLAN
	RADIUS for IPv4 and IPv6
	TACACS+ for IPv4 and IPv6
	MAB

Technical Specifications:-

Item	DG-GS4634HPSE2-B2
DHCPv4/v6	DHCP Server/Client for IPv4/IPv6
	DHCP Relay/Option 82
	DHCP Snooping/Option 82
Traffic Monitor	sFlow Traffic Analysis
Security Network Management	CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL
	SNMP MIB, SNMP TRAP FTP/TFTP SNTP/NTP RMON 1,2,3,9 Authentication by Radius/TACACS SSH
	v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM
Data Center Features	VSF (Virtual Switch Framework)

Rear View :

Ordering Information:-

DG-GS4634HPSE2-B2: DIGISOL 10G Ethernet Routing Switch, 24x 1 GE (PoE) + 4x 1 GE(SFP) + 6x 10GbE (SFP+), 1 modular AC + 1 optional AC power supply , up to 375W PoE output with 1 standard Power supply and 750W PoE output with 2 PSU

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